

Appl. No. 10/551,072
Response to Final Action of January 31, 2008

PATENT
Docket No.: NL030362US
Customer No. 000024737

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Previously Presented) A medical apparatus comprising at least one surface which is at least partially coated with a hydrolytically condensed organosilane sol-gel composition, wherein the organosilane sol-gel composition comprises a mixture of tetraethoxysilane, methyltrimethoxysilane, and organosilane compounds that contain an organic, polymerizable substituent, wherein the organosilane compounds that contain the organic, polymerizable substituent consist of 3-glycidoxypropyl trimethoxysilane, methacryloxypropyl trimethoxysilane and vinyl trimethoxysilane, and wherein the organosilane sol-gel composition is further formed from dimethylmalonic acid.
2. (Canceled)
3. (Previously Presented) The medical apparatus according to claim 1, wherein the sol-gel composition further comprises a material formed from a mixture of an organosilane compound and silica particles.
4. (Canceled)
5. (Currently Amended) The medical apparatus according to claim 1, wherein the coating can be cured at a curing temperature of about 80°C or lower, wherein responsive to being cured, the coating exhibits resistance to iodine staining and cracking.
6. (Canceled)

7. (Previously Presented) The medical apparatus of claim 1, wherein said surface is a tabletop of a diagnostic system.

8-12. (Canceled)

13. (Previously Presented) A process for making medical equipment resistant to iodine comprising coating one or more surfaces with a hydrolytically condensed organosilane sol-gel composition, wherein the organosilane sol-gel composition comprises a mixture of tetraethoxysilane, methyltrimethoxysilane, and organosilane compounds that contain an organic, polymerizable substituent, wherein the organosilane compounds that contain the organic, polymerizable substituent consist of 3-glycidoxypropyl trimethoxysilane, methacryloxypropyl trimethoxysilane and vinyl trimethoxysilane, and wherein the organosilane sol-gel composition is further formed from dimethylmalonic acid.

14. (Previously Presented) The process of claim 13 wherein said sol-gel composition is a glossy material, and further comprises silica particles.

15. (Previously Presented) The process of claim 13 wherein said sol-gel composition is a matte material, and further comprises particles and a matting agent.